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Industrial pioneer established in 1814











KONGSBERG was internationally known for its Krag-Jørgensen rifle, developed in the late 19th century, and adopted as the standard US army rifle in 1892.

KONGSBERG ha unique history and a strong culture

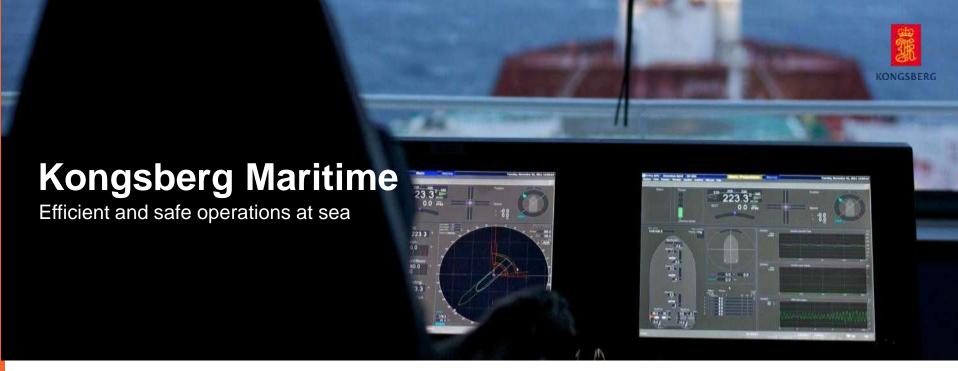


Today: International high-tech solutions, from deep sea to outer space



Advanced solutions and applications for the maritime, oil & gas, defence and space industry.

- Extreme Performance for Extreme Conditions -









Kongsberg Maritime

OSIsoft. USERS

CONFERENCE

- Offshore Merchant Subsea
- 51 offices in 17 countries
- 4 163 employees (2012)
- Revenues MNOK 7 485 (2012)
- Installed on more than 16,000 vessels
- Dynamic positioning, navigation, automation, simulation, seabed surveying and fisheries



International sales organization – life cycle support – production hubs – global value chains – global sourcing









Market segments



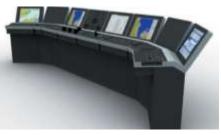






- Exploration
- Field Development
- Production
- Supply & Support







Dynamic Positioning Maneuvering Integrated Bridge and Navigation

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Automation

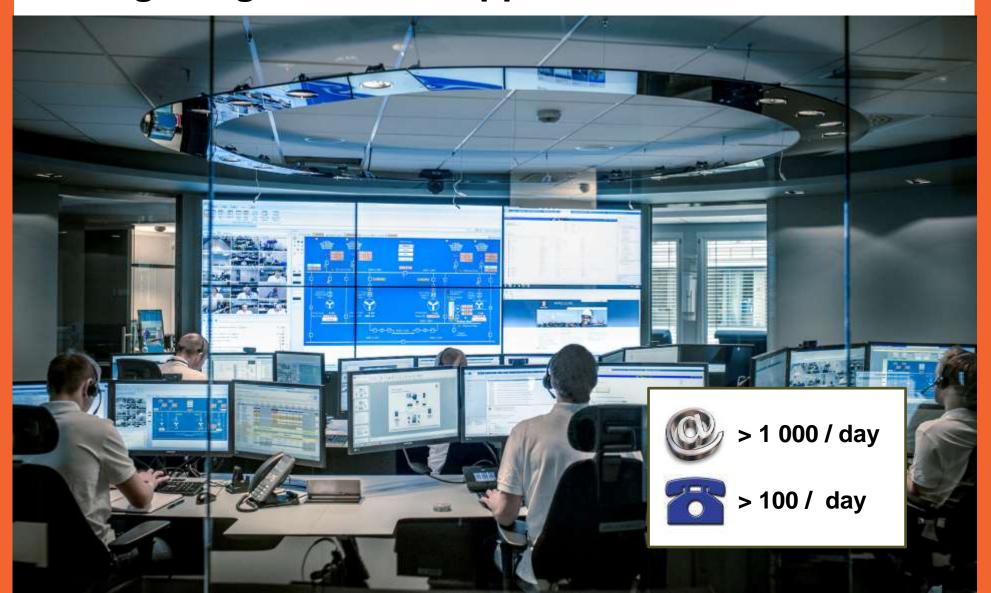
- Topside Oil & Gas processing
- Hullside vessel control
- Safety

2013

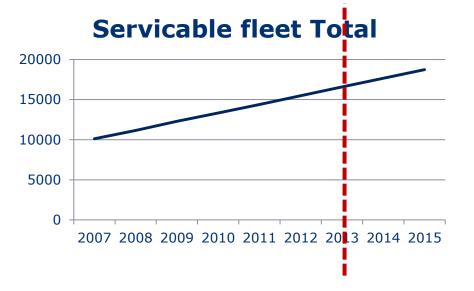
OSIsoft. USERS CONFERENCE

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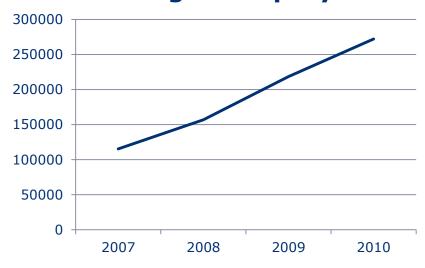
Global Customer Support Kongsberg Maritime Support Center



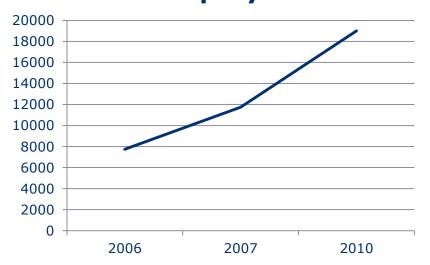




Incoming mails pr. year



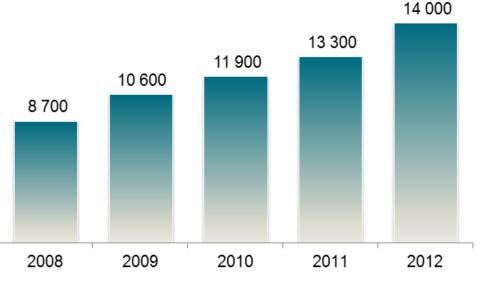
Calls pr. year



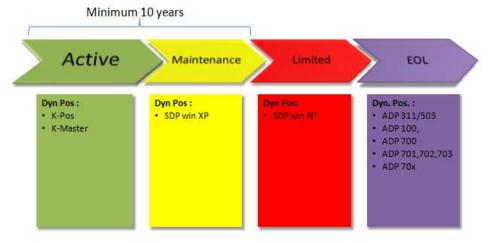
Global Cus Support travels

Global Customer Support Support travels and life cycle management





- Modifications
- New functionality
- > SLA-planned maintenance
- Repair defective equipment



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WORLD CLASS - through people, technology and dedication.

KONGSBERG

Kongsberg Maritime

Global Customer Support Centre

KONGSBERG

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K-IMS Remote Diagnostics

Proactive Customer Support Ambition

Services

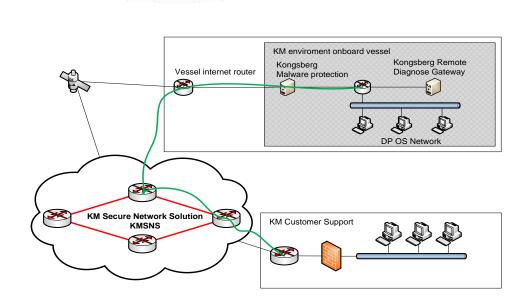
- Planned maintenance support
- Spares logistics optimized to vessel route
- Expert support tailored to critical operational mode

Improved Predictability

- · Prolong system lifetime
- Quick and efficient overview of hardware status
- Prevent loss of historical data because of hardware malfunction
- Improved maintenance and logistics planning
- · Improved safety

Reduced downtime and cost

- Effectively reduce operational cost
- · Reduce service cost
- Reduced downtime due to improved maintenance planning

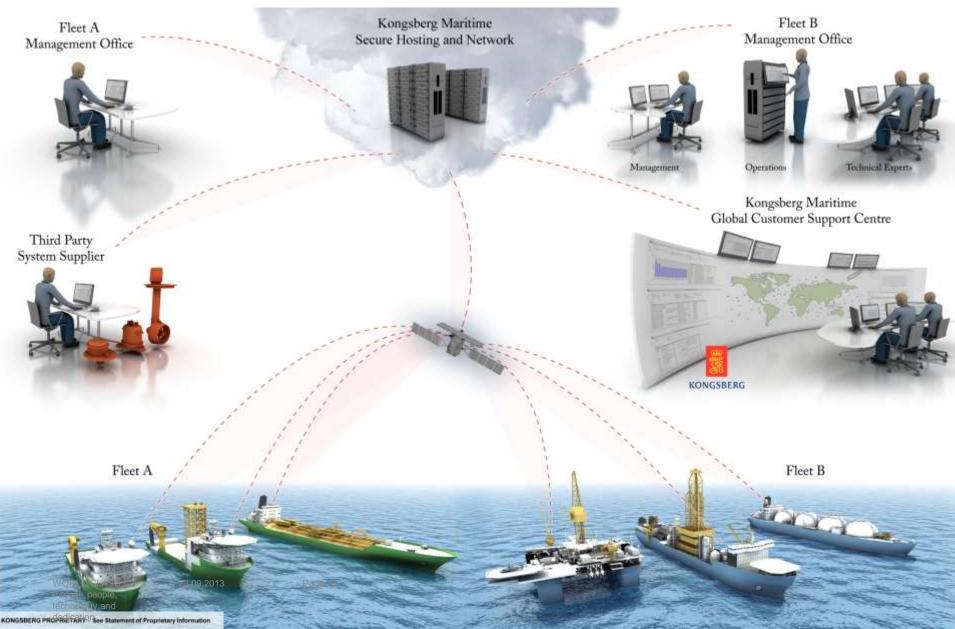


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K-IMS Information Management System



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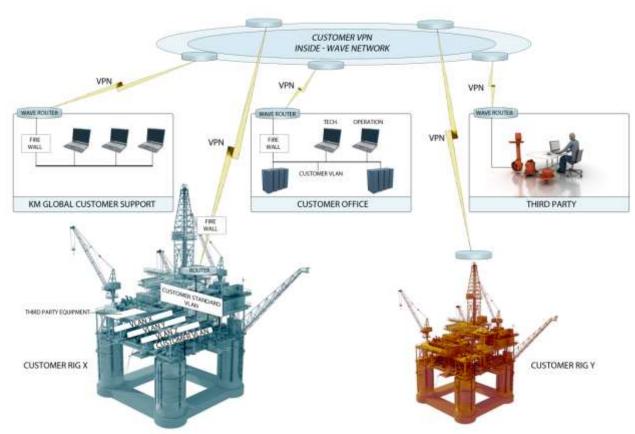
K-IMS Infrastructure, Secure Global Network



CONFERENCE

Secure, standardized offshore/onshore communications for fleet wide data sharing

- Redundant global network without any single point of failure
- Rig owner is in complete control of the firewall protecting the Rig owner networks offshore and onshore
- Router onboard a vessel will always connect to the nearest available communication HUB
- Equipment vendors can be given access to one or more vessels via the wave network



CONFERENCE

CONFERENCE OSIsoft. USERS

Onshore portal and 3rd party integration



K-IMS Portal

Integrating Dynamic Positioning, Automation, Safety and Navigation

Third party interface to Drilling Control System

K-IMS Hosting Services – Onshore data storage

K-IMS Fleet Portal and Dashboards

Remote Diagnostics





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Dashboards



IMS BOP / Riser Monitoring – Wellhead Fatigue



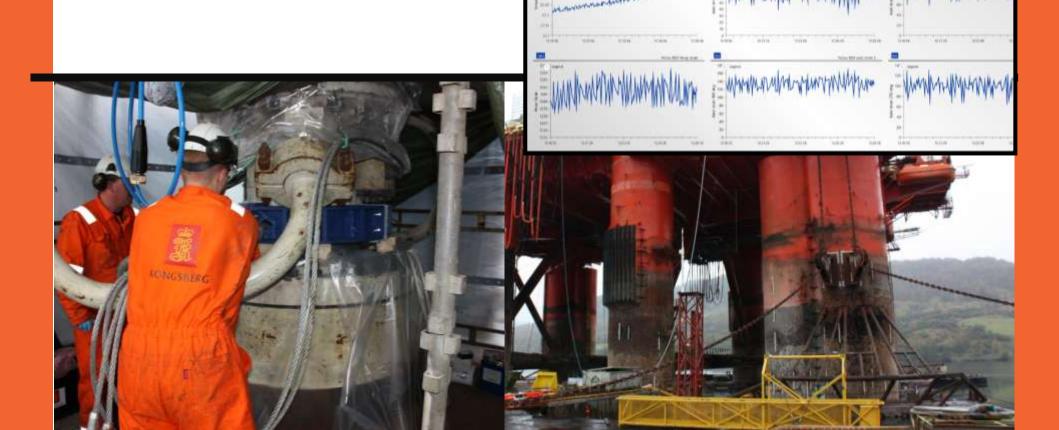
- Instrumentation of BOP and Riser

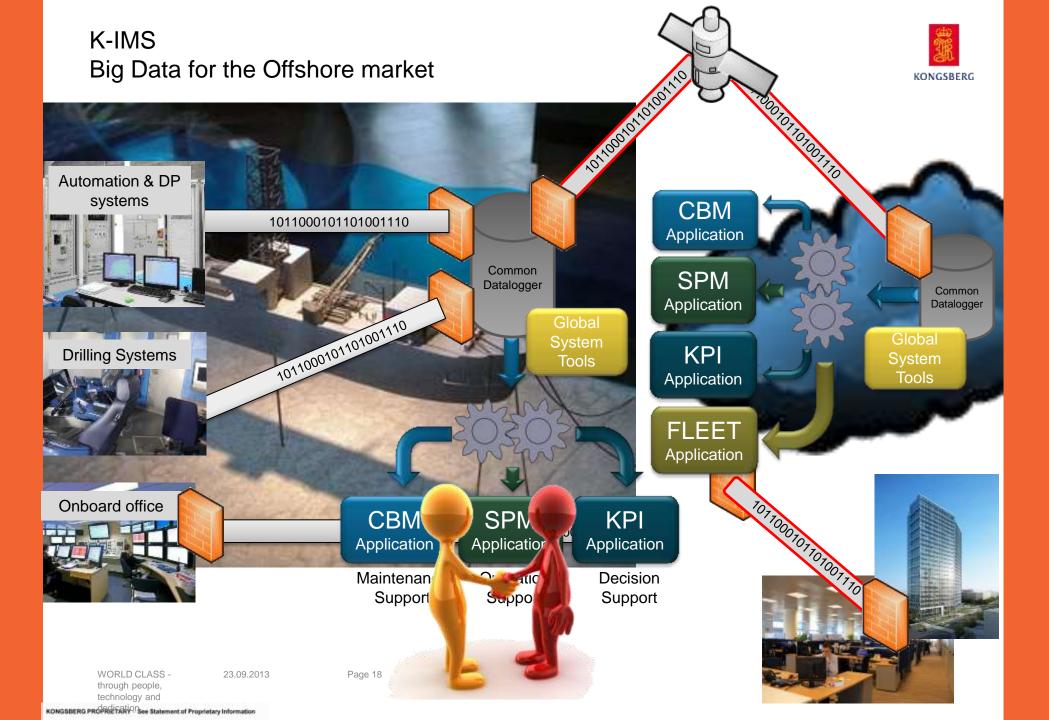
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- Onshore installation for Norwegian Oil Company
- K-IMS Portal and Riser Management System
- Utilizing OSIsoft PI ACE for advanced riser and wellhead calculations





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